

Figure 1

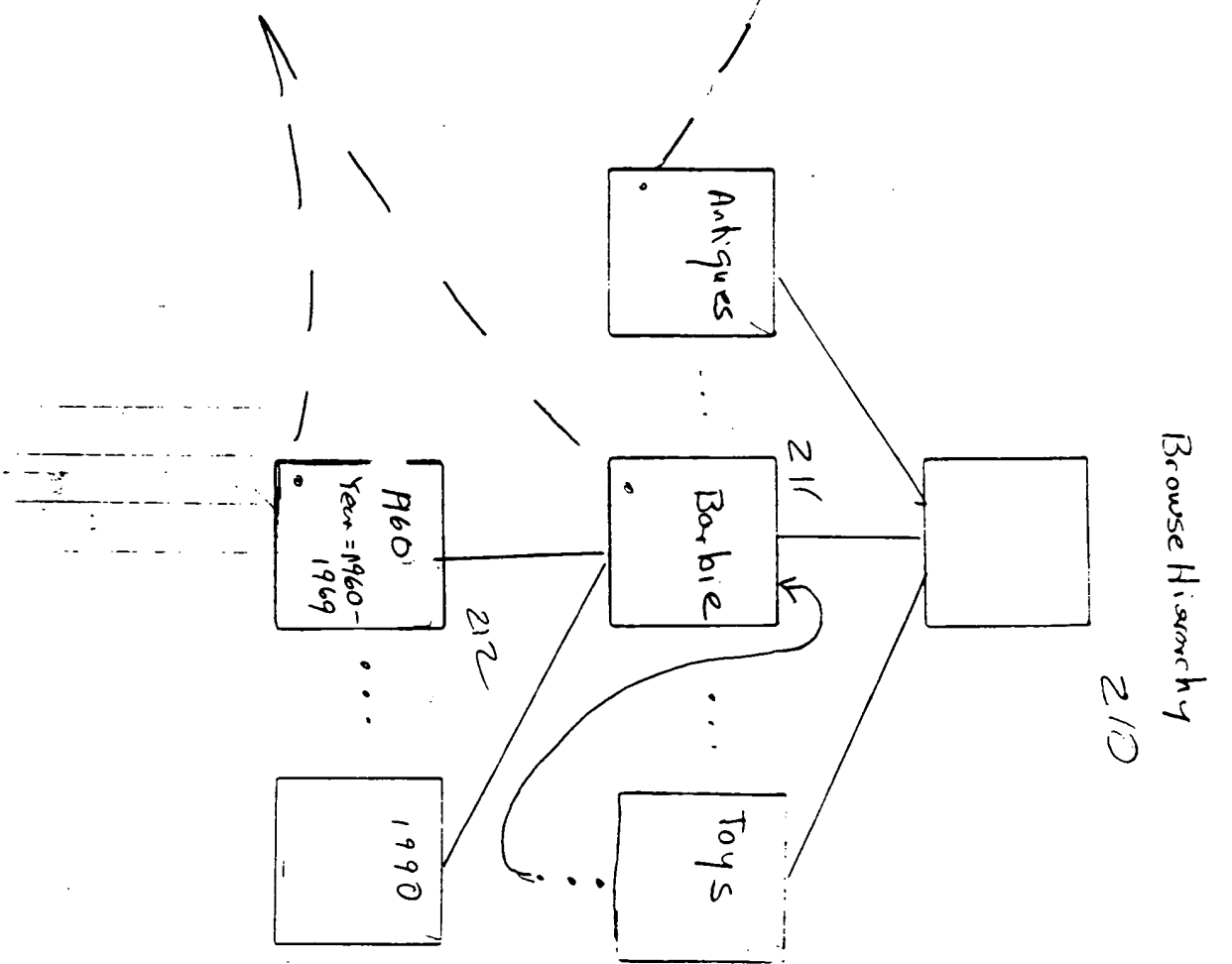
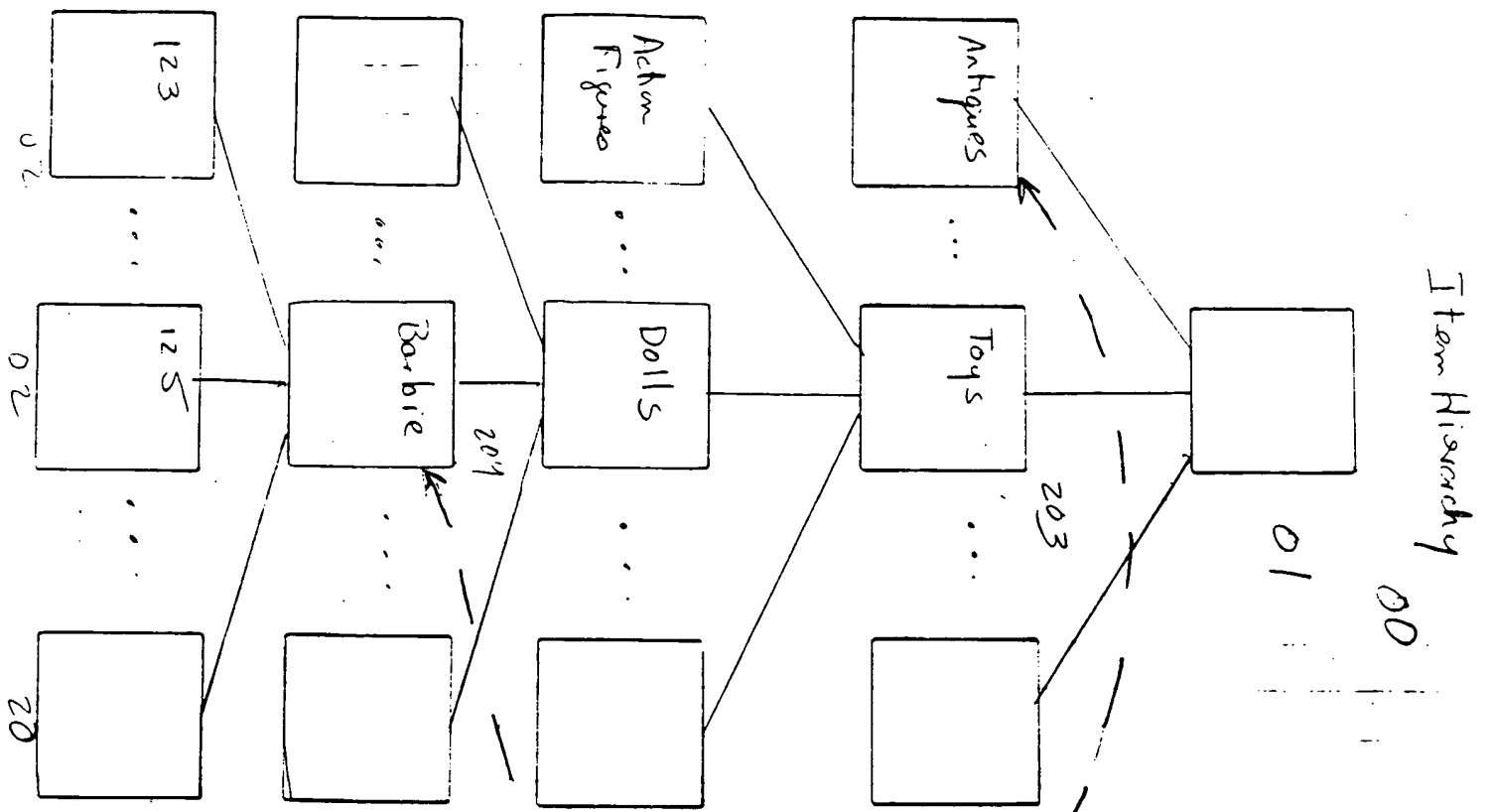


Figure 2

Item/Attribute Mapping

Item/Attribute Table

Item	Att 1	Att 2	... Att n
Barbie	2		
Toys	0	1	
123	4		
125			

Attribute Table

Name	Type	Values
Condition	list	0
Price	dollar	
Year	number	
color	list	1
Size	number	

Value Table

1 - new
2 - excellent
3 - good
4 - ...
1 - red
2 - green

Figure 3

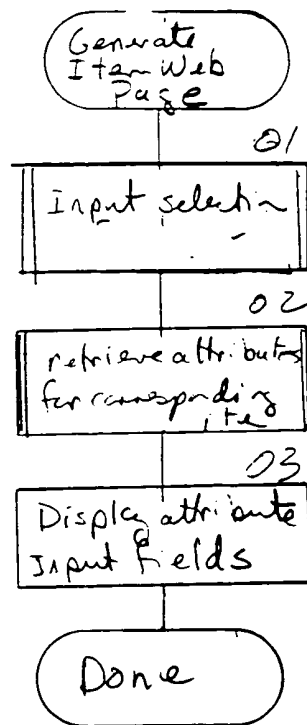


Figure 4

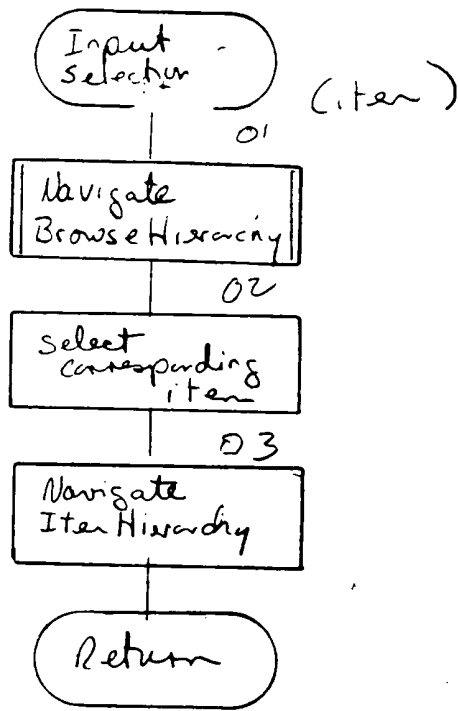


Figure 5

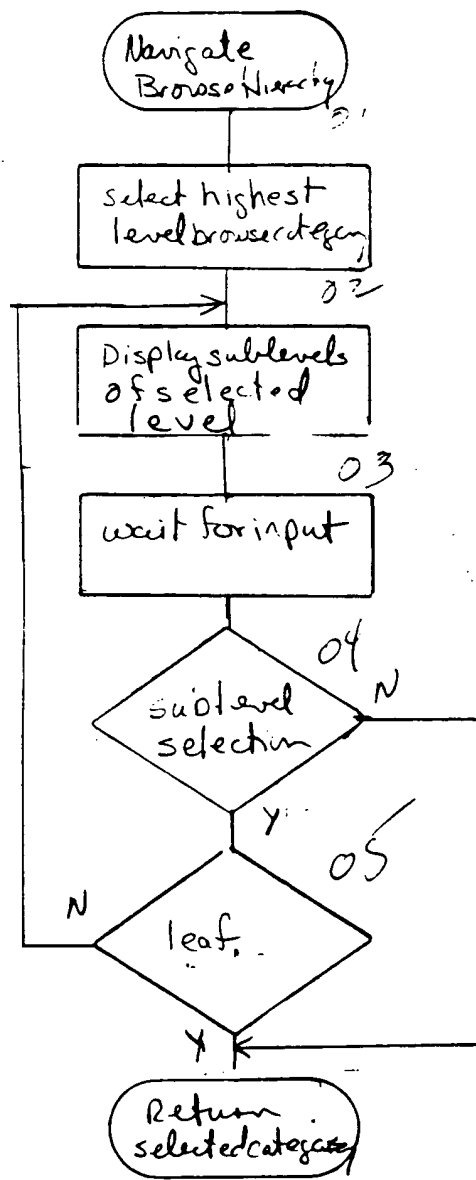


Figure 6

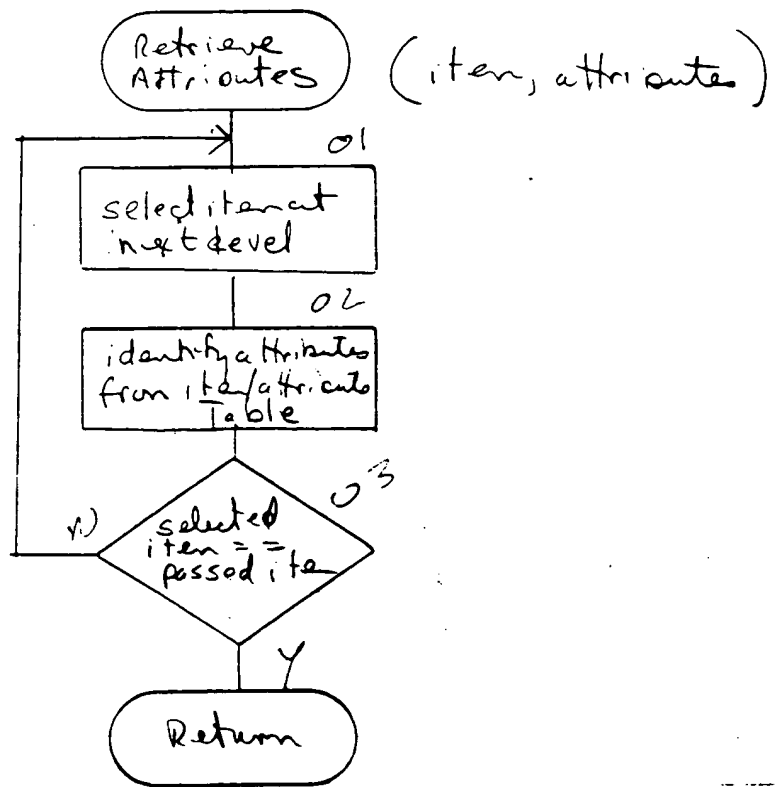


Figure 7

Item Hierarchy

Toys

Dolls

Barbie

~~Barbie~~
~~Dolls~~

Transaction Table

✓ A#N

800

Model	Condition	Color	Sale Type	Sale Price	Sale Date	Duration	...
123	1	red	auction	100	1/28/99	3	
123	5	red	sale	50	2/1/99	5	
125	2	green	wanted	75	2/2/99	10	
125	8	green	auction	25	2/4/99	2	

Figure 8

Transaction Price Suggestion

Browse
Item Hierarchy
Toys
Dolls
Barbie
~~Barbie~~
~~Barbie~~

901

Model	Condition	Color	Sale Type	Sale Price	Sale Date	Duration	...
123	good	red	auction			<3	

Suggest
Price

— 902

Figure 9

Transaction Price Suggestion

Browse

Item Hierarchy

Toys

Dolls

Barbie

~~1978~~

Disco

9001

Model	Condition	Color	Sale Type	Sale Price	Sale Date	Duration	...
123	3	red	auction			<3	

Based on review of 15 transaction for matching items, we suggest a sale price of \$75-\$100 to sell the item with the specified duration.

1002

1003

Statistic	Price
Minimum	\$50
Average	\$85
Mean median	\$75
Maximum	\$150

Review Transactions

List Item for Sale

List Item in Auction

Place a bid

Figure 10

Transaction Trend Analysis

Browse
~~Item~~ Hierarchy
 Toys
 Dolls
 Barbie
~~1998~~
~~1999~~
~~2000~~

1100

1161

Model	Condition	Color	Sale Type	Sale Price	Sale Date	Duration	...
	X		auction	Y	>1/1/99	<3	

Display
Graph

1102

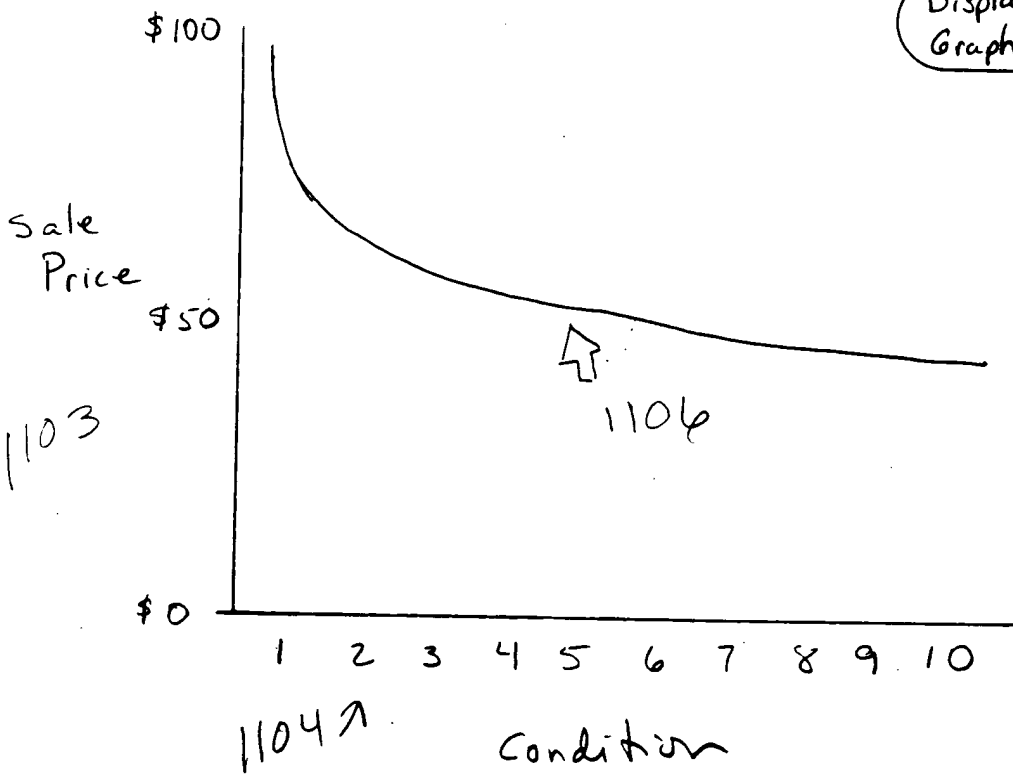


Figure 11

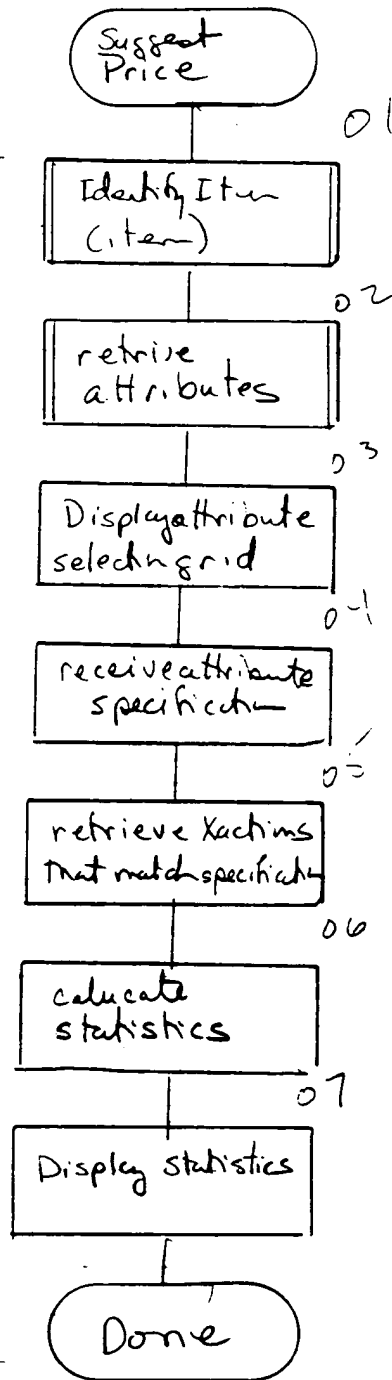


Figure 12

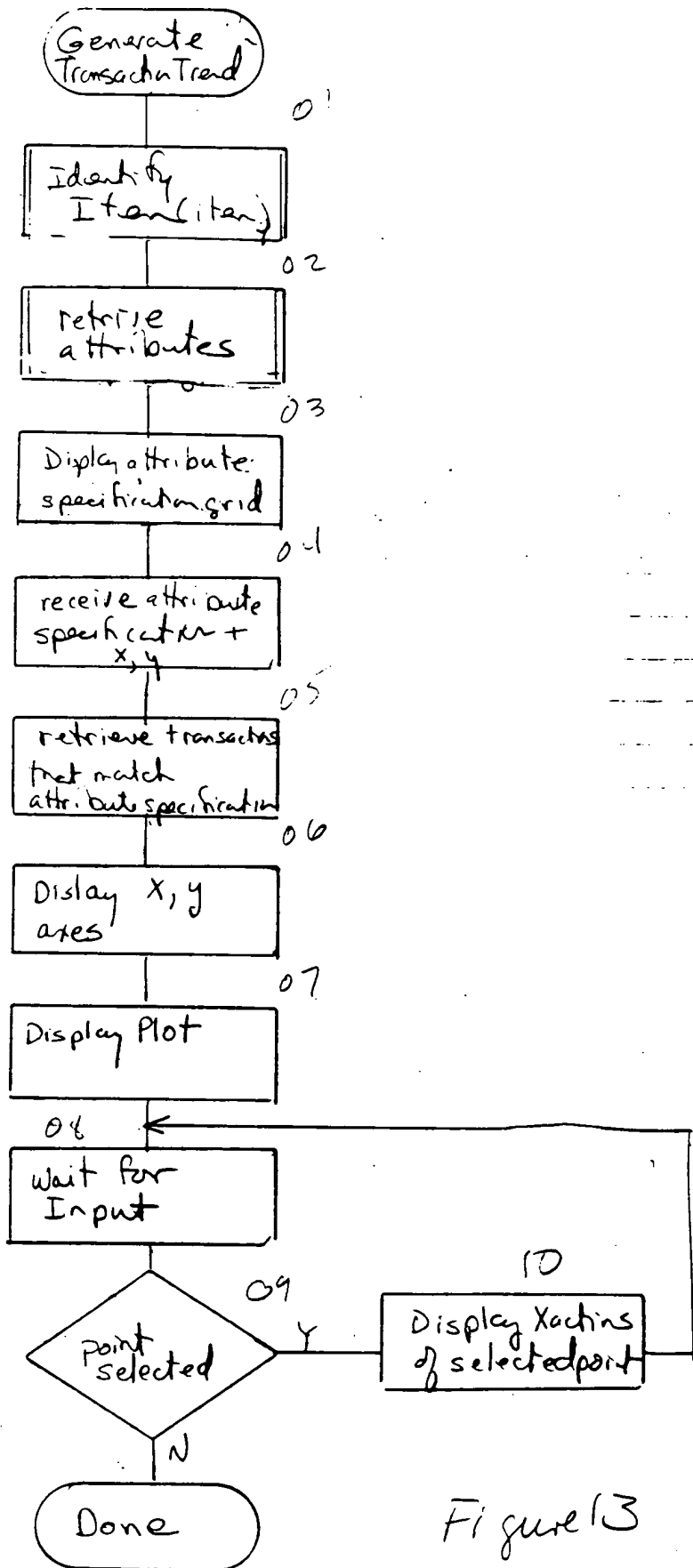


Figure 13